PAGE: 1

44 <212> TYPE: DNA

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/135,183

DATE: 04/07/2000 TIME: 13:25:32

11ME. 15.25.52

Input Set: I135183.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

1	<110>	APPLICANT: Bamdad, Cynthia C.	
2	<120>	TITLE OF INVENTION: Electronic Detection of Nucleic Acids Using N	ionolayers
3	<130>	FILE REFERENCE: A-65909-1/RFT/RMS	
4	<140>	CURRENT APPLICATION NUMBER: US/09/135,183	π
5	<141>	CURRENT FILING DATE: 1998-08-17	ñ
6	<150>	EARLIER APPLICATION NUMBER: 60/084,509	\mathcal{C}
7	<151>	EARLIER FILING DATE: 1998-05-06	; 및
8	<160>	CURRENT APPLICATION NUMBER: US/09/135,183 CURRENT FILING DATE: 1998-08-17 EARLIER APPLICATION NUMBER: 60/084,509 EARLIER FILING DATE: 1998-05-06 NUMBER OF SEQ ID NOS: 66 SOFTWARE: Patentin Ver. 2.1 SEQ ID NO 1 LENGTH: 49 TYPE: DNA	· -
9	<170>	SOFTWARE: PatentIn Ver. 2.1	計
10	<210>	SEQ ID NO 1.	5
11	<211>	LENGTH: 49	
12	<212>	TYPE: DNA	
13	<213>	ORGANISM: Artificial Sequence	
14		FEATURE:	
15	<223>	OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
16	<400>	SEQUENCE: 1	
17		acctggtctt gacatccacg gaaggcgtgg aaatacgtat tcgtgccta	49
18	<210>	SEQ ID NO 2	
19	<211>	LENGTH: 31	
20	<212>	TYPE: DNA	
21	<213>	ORGANISM: Artificial Sequence	
22		FEATURE:	
23		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
24	<400>	SEQUENCE: 2	
25		catggttaac gtcaattgct gcggttatta a	31
26		SEQ ID NO 3	
27	<211>	LENGTH: 39	
28		TYPE: DNA	
29		ORGANISM: Artificial Sequence	
30		FEATURE:	
31		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
32	<400>	SEQUENCE: 3	
33	•	gctcgcccca tggttagact gaattgctgc ggttattaa	39
34		SEQ ID NO 4	
35		LENGTH: 39	
36		TYPE: DNA	
37		ORGANISM: Artificial Sequence	
38		FEATURE:	
39		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
40	<400>	SEQUENCE: 4	
41		gctcgctatg ctcttgatgc tgctgtggaa atctactgg	39
42	•	SEQ ID NO 5	
43	<211>	LENGTH: 29	

PAGE: 2 RAW SEQUENCE LISTING DATE: 04/07/2000

PATENT APPLICATION US/09/135,183

Input Set: I135183.RAW

TIME: 13:25:32

<213> ORGANISM: Artificial Sequence <220> FEATURE: 46 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 47 <400> SEQUENCE: 5
 gctcgcatgg tgctgtggaa atctactgg
<210> SEQ ID NO 6
<211> LENGTH: 30
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
<400> SEQUENCE: 6 48 49 50 51 52 53 54 55 <400> SEQUENCE: 6 56 gctcgctgac tgaattgctg cggttattaa 57 58 <210> SEO ID NO 7 59 <211> LENGTH: 25 60 <212> TYPE: DNA <213> ORGANISM: Artificial Sequence 61 62 <220> FEATURE: <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule: 63 64 synthetic <220> FEATURE: 65 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic 66 <400> SEQUENCE: 7 67 25 68 cttccqtqqa tqtcaaqacc aqqau <210> SEQ ID NO 8 69 <211> LENGTH: 15 70 <212> TYPE: DNA 71 <213> ORGANISM: Artificial Sequence 72 73 <220> FEATURE: <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule: 74 75 synthetic 76 <220> FEATURE: <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic 77 78 <400> SEQUENCE: 8 15 79 accatggaca cagau <210> SEO ID NO 9 80 81 <211> LENGTH: 15 <212> TYPE: DNA 82 <213> ORGANISM: Artificial Sequence 83 84 <220> FEATURE: <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule: 85 86 synthetic 87 <220> FEATURE: <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic 88 89 <400> SEQUENCE: 9 15 90 ctgcggttat taacu <210> SEQ ID NO 10 91 92 <211> LENGTH: 86 93 <212> TYPE: DNA <213> ORGANISM: Artificial Sequence

PAGE: 3 RAW SEQUENCE LISTING DATE: 04/07/2000

PATENT APPLICATION US/09/135,183 TIME: 13:25:32

Input Set: I135183.RAW

```
<220> FEATURE:
     <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 96
 97
      <400> SEQUENCE: 10
            taggcacgaa tacgtatttc cacgataaat ataattaata accgcagcaa ttgacgtata 60
 98
 99
            aagctatccc agtagatttc cacagc
                                                                                86
100
      <210> SEQ ID NO 11
101
      <211> LENGTH: 47
      <212> TYPE: DNA
102
      <213> ORGANISM: Artificial Sequence
103
      <220> FEATURE:
104
      <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
105
106
      <400> SEQUENCE: 11
            acqtqtccat qqtaqtaqct tatcqtqqaa atacqtattc gtqccta
                                                                               47
107
      <210> SEO ID NO 12
108
109
      <211> LENGTH: 39
110
      <212> TYPE: DNA
111
      <213> ORGANISM: Artificial Sequence
112
      <220> FEATURE:
      <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
113
114
      <400> SEQUENCE: 12
                                                                                39
            gctcgcccca tggttagact gaattgctgc ggttattaa
115
116
      <210> SEQ ID NO 13
      <211> LENGTH: 39
117
118
      <212> TYPE: DNA
      <213> ORGANISM: Artificial Sequence
119
120
      <220> FEATURE:
121
      <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
122
      <400> SEQUENCE: 13
            gctcgcccca tggttagact ggctgtggaa atctactgg
                                                                                39
123
124
      <210> SEQ ID NO 14
125
      <211> LENGTH: 36
126
      <212> TYPE: DNA
127
      <213> ORGANISM: Artificial Sequence
128
      <220> FEATURE:
129
      <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
130
      <400> SEQUENCE: 14
131
            gctcgccttt actcccttcc tccccgctga aagtac
                                                                                36
132
      <210> SEQ ID NO 15
      <211> LENGTH: 35
133
134
      <212> TYPE: DNA
135
      <213> ORGANISM: Artificial Sequence
136
      <220> FEATURE:
      <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
137
138
      <400> SEQUENCE: 15
139
            cggagttagc cggtgcttct tctgcggggc tcgct
                                                                                35
140
      <210> SEQ ID NO 16
      <211> LENGTH: 40
141
142
      <212> TYPE: DNA
143
      <213> ORGANISM: Artificial Sequence
144
      <220> FEATURE:
```

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/135,183 PAGE: DATE: 04/07/2000

TIME: 13:25:32

Input Set: I135183.RAW

14		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
14		SEQUENCE: 16	
14		ctttactccc ttcctccccg ctgaaagtac tttacaaccc	40
14		SEQ ID NO 17	
14		LENGTH: 62	
15		TYPE: DNA	
15		ORGANISM: Artificial Sequence	
15		FEATURE:	
15		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
15		SEQUENCE: 17	
15		atcctggtct tgacatccac ggaagatgtc cctacagtct ccatcaggca gtttcccaga	
15		ca ·	62
15		SEQ ID NO 18	
15		LENGTH: 57	
15		TYPE: DNA	
16		ORGANISM: Artificial Sequence	
16		FEATURE:	
16		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
16		SEQUENCE: 18	
16		tctacatgcc gtacatacgg aacgtacgga gcatcctggt cttgacatcc acggaag	57
16		SEQ ID NO 19	
16		LENGTH: 26	
16		TYPE: DNA	
16		ORGANISM: Artificial Sequence	
16		FEATURE:	
17		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
17		SEQUENCE: 19	
17		gctcgcccgt atgtacggca tgtaga	26
17		SEQ ID NO 20	
17		LENGTH: 21	
17		TYPE: DNA	
17		ORGANISM: Artificial Sequence	
17		FEATURE:	
17		OTHER INFORMATION: Description of Combined DNA/RNA Molecule:	
17		synthetic	
18		FEATURE:	
18		OTHER INFORMATION: Description of Artificial Sequence: synthetic	
18		SEQUENCE: 20	
18		gctactacca tggacacaga u	21
18		SEQ ID NO 21	
18		LENGTH: 28	
18		TYPE: DNA	
18		ORGANISM: Artificial Sequence	
18		FEATURE:	
18		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
19		SEQUENCE: 21	•
19		acagacatca gagtaatcgc cgtctggt	28
19		SEQ ID NO 22	
19		LENGTH: 41	
19	4 <212>	TYPE: DNA	

PAGE: 5 RAW SEQUENCE LISTING DATE: 04/07/2000 PATENT APPLICATION US/09/135,183 TIME: 13:25:32

Input Set: I135183.RAW

19	5 <213>	ORGANISM: Artificial Sequence	
19		FEATURE:	
19	7 <223>	OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
19	8 <400>	SEQUENCE: 22	
19	9	gattactctg atgtctgtcc atctgtgtcc atggtagtag c	41
20	0 <210>	SEQ ID NO 23	
20	1 <211>	LENGTH: 41	
20	_	TYPE: DNA	
20		ORGANISM: Artificial Sequence	
20		FEATURE:	
20	5 <223>	OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
20	6 <400>	SEQUENCE: 23	
20	7	gattactctg atgtctgtcc tagtacgagt cagtctctcc a	41
20	8 <210>	SEQ ID NO 24	
20	9 <211>	LENGTH: 57	
21	•	TYPE: DNA	
21	.1 <213>	ORGANISM: Artificial Sequence	
21		FEATURE:	
21	.3 <223>	OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
21	.4 <400>	SEQUENCE: 24	
21	.5	tctacatgcc gtacatacgg aacgtacgga gcgattcgac tgacagtcgt aacctca	57
21	.6 <210>	SEQ ID NO 25	
21	.7 <211>	LENGTH: 35	
21		TYPE: DNA	
		ORGANISM: Artificial Sequence	
22		FEATURE:	
22		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
22	2 <400>	SEQUENCE: 25	
22		gctcgcgcga caactgtacc atctgtgtcc atggt	35
22	24 <210>	SEQ ID NO 26	
22		LENGTH: 15	
22		TYPE: DNA	
22		ORGANISM: Artificial Sequence	
22		FEATURE:	
22		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
23	<400>	SEQUENCE: 26	
23	31	atctgtgtcc atggt	15
23		SEQ ID NO 27	
23		LENGTH: 27	
		TYPE: DNA	
		ORGANISM: Artificial Sequence	
		FEATURE:	
23		OTHER INFORMATION: Description of Artificial Sequence: Synthetic	
23		SEQUENCE: 27	
23		gctcgcatct gtgtccatgg tagtagc	27
24	0 <210>	SEQ ID NO 28	
24		LENGTH: 39	
24		TYPE: DNA	
		ORGANISM: Artificial Sequence	
24	4 <220>	FEATURE:	

PAGE: 6

VERIFICATION SUMMARY
PATENT APPLICATION US/09/135,183

DATE: 04/07/2000 TIME: 13:25:32

Input Set: 1135183.RAW

Line ? Error/Warning Original Text